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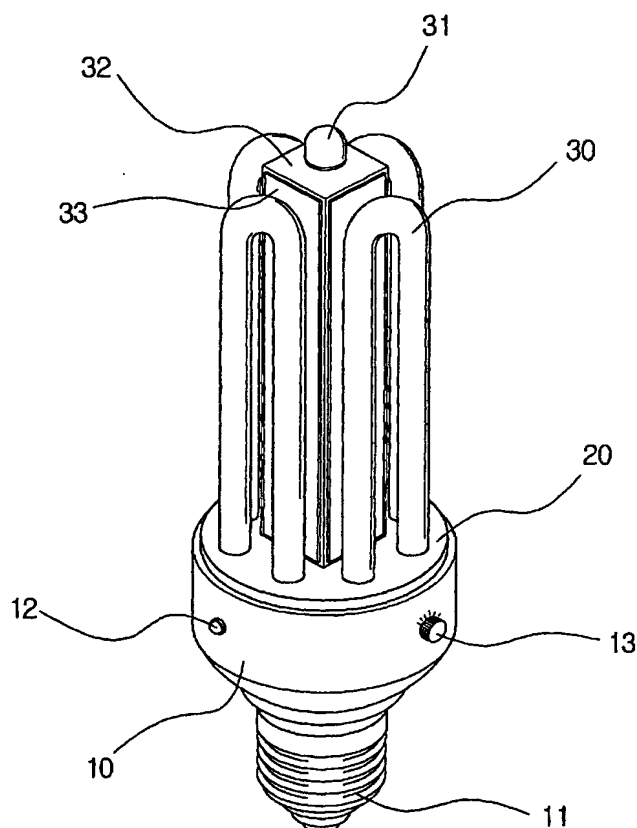
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[Continued on next page]

(54) Title: ENERGY SAVING LAMP WITH SENSOR



(57) Abstract: Disclosed is a multi-functional energy-saving fluorescent lamp in which an illumination sensor for distinguishing day and night, a timer for time control, and an infrared sensor for sensing a human are integrally provided to one lamp as a light source. The sensors measure illumination according to quantity of light or sense existence of a human. If the illumination around the lamp is lower than a certain level, e.g. at night, or a human exists, the sensors send a data signal for driving a lighting control circuit so that the lamp is automatically turned on/off. This lamp has simple structure and ensures low energy consumption. In addition, by addition of a reflection shade, heat emitted from the lamp is blocked and the illumination efficiency is improved. This lamp may be conveniently installed to any place using a socket-type light bulb without any separate sensor, thereby greatly improving convenience of a user.

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